## 4. NIPWG WORK PLAN 2019-20 ~~2018-19~~

**Tasks**

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| D | Maintain Publication S-12 “Standardization of List of Lights and Fog Signals” (IHO Task 2.8.1) |
| E | Maintain Publication S-49 “Recommendations concerning Mariners’ Routeing Guides” (IHO Task 2.8.3) |
| F | Establish and monitor, in liaison with the S-100WG, the project teams required to specify and develop nautical information layers for use in ECDIS (IHO Task 2.3) |
| G | Develop high level specifications for ~~a~~ ~~combined~~ ~~M~~maritime~~ne~~ ~~S~~services as defined by IMO in the context of e-navigation ~~Portfolio (MSP)~~ covering the provision of hydrographic services to mariners in accordance with the IMO e-navigation strategy implementation plan (IHO Task 2.5.2) |
| H | Develop a test and implementation plan for the development of the maritime services as defined by IMO ~~MSP “hydrographic services”~~ (IHO Task 2.5.2) |
| I | Maintain IHO Resolutions in M-3 relating to Nautical Publications as required (IHO Task 2.1) |
| J | Liaise with other HSSC WGs and other IHO and international bodies (IHO Task 2.1) |
| K | Conduct the 2019~~2017~~ and 2020~~2018~~ meetings of the NIPWG and its sub-group(s) and project team(s) (IHO Task 2.1) |

**(((Yves to update the IHO tasks as appropriate)**

**Work items**

| **Work item** | **Title** | **Priority**H-high M-mediumL-low | **Next Milestone** | **Start Date** | **End Date** | **Status**P-PlannedO-OngoingC-Completed S-superseded | **Contact Person(s)** | **Related Pubs / Standard** | **Remarks** |
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| D.1 | Monitor and assess proposals for amending S- 12 | M | Next meeting | 2014 | Permanent | O |  | S-12 | In close liaison with IALA; see J.5.1 |
| E.1 | Develop proposals for amending S-49 | M | Next meeting | 2019 | Permanent | O |  | S-49 |  |
| F.1 | Assess the progress and perspectives of developing specifications for NP data ~~layers in ECDIS~~ and propose the way forward for consideration by HSSC | H |  | 2015 | Permanent | O |  |  | To be considered in the context of the IMO e-navigation strategy implementation.NIPWG to consider establishing one or more project team(s) in liaison with S-100WG as required (see J.2), in particular to continue the development of Product Specifications currently assigned to the NIPWG. |
| F.2 | Investigate the interaction between Marine Protected Area Product and ENC in ECDIS | H | ~~Draft Product Specification for Marine Protected Areas (S-122) released in 2018~~Next meeting  | 2015 | Permanent | O | Chair/Sec |  | In close liaison with the S-100 WG~~On target for endorsement~~ ~~by Council - 2.~~See action NIPWG 6/XX |
| F.3 | Model the NP data where required. | H | Next meeting | 2004 | Permanent | O | Chair/Sec |  | S-100 related. To be included in Hydro domain of the FCD Register. |
| F.4 | Review of objects and attributes | H | Next meeting | 2004 | Permanent | O | Chair/Sec |  | S-100 related. |
| F.5 | Propose amendments to HYDRO domain of the FCD Register | H |  | 2005 | Permanent | O | Chair/Sec |  | S-100 related. To be included in the FCD register |
| F.8.1 | Develop S-12n - Nautical Information Product Specification |  |  |  |  |  |  |  |  |
| F.8.1.1 | For Marine Radio Services | H | next NIPWG meeting | 2012 | 2019 | ~~O~~C | Chair/Sec | S-123 | Edition 1.0.0 endorsed by Member States 2018 |
| F.8.1.2 | For Marine Navigational ~~s~~Services | L | next NIPWG meeting | 2013 |  | P | Chair/Sec | S-125 | On HoldIALA offers to develop draft, NIPWG accept; see Action item NIPWG 6/25 |
| F.8.1.3 | For Marine Traffic Management | H | ~~next NIPWG meeting~~May 2019 for correction comments  | 2013 | 2021 | O | Chair/Sec | S-127 | Edition 1.0.0 developed (is now under 2/2007 life cycle management)  |
| F.8.1.3.1 | For Marine Protected Areas | H | next NIPWG meeting | 2011 | 2019 | ~~O~~C | Chair/Sec | S-122 | Edition 1.0.0 endorsed by Member States 2018 |
| F.8.1.4 | For Marine Physical ~~e~~Environment | L | next NIPWG meeting | 2013 |  | ~~P~~O | Chair/Sec | S-126 | On HoldInvestigatory work initiated, see action 6/07 |
| F.8.1.5 | Catalog of nautical products | M | next NIPWG meeting | 2016 | 2021 | O | Chair/Sec | S-128 | Development continued by KHOA |
| F.2 | Monitor and Maintain NIPWG Product Specification | H | Next meeting  | 2019 |  | O  | Chair/Sec |  | S-122, S-123 and S-127 under 2 year revision cycle  |
| G.1 | Monitor the requirements for, and provision of, nautical information in e-navigation test-bedsProduce NP1 sample data sets |  |  |  |  |  |  |  | According to the tasks assigned by HSSC4. Collection of information to be modelled |
| G.1.3 | For Marine Traffic ~~m~~Management | H | next meeting | 2012 | 2018 | C | Chair/Sec | S-127 |  |
| G.1.4 | For Marine Physical environment | L | next meeting | 2013 |  | O | Chair/Sec | S-126 | On HoldInvestigatory work initiated, see action 6/07 |
| G.3 | Rules and guidelines for displaying nautical information in ECDIS and in maritime services as defined by IMO ~~combined~~ ~~Marine Service Portfolios~~ |  |  |  |  |  |  |  |  |
| G.3.1 | Develop basic display principles for NP data intended for use in ECDIS (NP3) | M |  | 2008 |  | O | Chair/Sec | ~~S-52~~ | Close co-operation with NCWG and S-100WG required. Interoperability Spec to be considered. |
| G.3.2 | Monitor and contribute to the development of IMO guidelines showing how navigation information received by communications equipment can be displayed in a harmonized way and what equipment functionality is necessary. | M |  | 2015 | 2019 | O |  |  | e-nav IMO Strategy Implementation Plan, Task T13 (HSSC6-07.1A refers)Output number 5.2.6.2 of NCSR biennial agenda 2016-17Completion date is unknown and dependent on the maturity of interoperability and portrayal frameworksFor HSSC consideration |
| G.5 | Contribute to considering the future of paper charts in the perspective of the establishment of ~~MSPs~~maritime services as defined by IMO | M |  | 2014 |  | O |  |  | Subject to request from NCWG |
| I.1 | Maintain and extend resolutions in M-3 relating to Nautical Publications | M | Next meeting | 2012 | Permanent | O | Chair/Sec NIPWG | M-3 | A review is required due for the harmonization of M-3 information and potential ProdSpecs content |
| J.0 | Liaise with the NCWG | M |  |  | Permanent | O | Chair/Sec NIPWG |  | Establish joint project teams as required and endorsed by HSSC. |
| J.1 | Liaise with the ENCWG | M |  |  | Permanent | O | Chair/Sec NIPWG |  |  |
| J.2 | Liaise with the S-100WG | H |  |  | Permanent | O | Chair/Sec NIPWG |  | Establish joint project teams as required and endorsed by HSSC. |
| J.2.1 | Draft Data Classification and Encoding Guides |  |  |  |  |  |  |  | Document for NPs similar to Use of the Object Catalog |
| J.2.3 | Draft Product Specification |  |  |  |  |  |  |  |  |
| J.2.3.2 | For Marine Navigational Services | L |  | - |  | P | Chair/Sec | S-125 | On hold |
| ~~J.2.3.3~~ | ~~For Marine Traffic management~~ | ~~H~~ |  | ~~2011~~ | ~~2021~~ | ~~O~~ | ~~Chair/Sec~~ | ~~S-127~~ | ~~In progress~~ |
| J.2.3.5 | For Physical ~~e~~Environment | L |  | - | - | P | Chair/Sec | S-126 | On hold |
| J.2.3.6 | For Digital Catalog of Nautical Product |  | Next meeting | 2016 | 2021 | O | Chair/Sec | S-128 | In progress |
| J.3 | Liaise with other HSSC WG  | M |  | 2004 | Permanent | O | Chair/Sec NIPWG |  |  |
| J.4 | Liaise with IRCC |  |  |  |  |  |  |  |  |
| J.4.1 | Liaise with WWNWS Sub-Committee |  |  |  |  |  |  | S-124 | Monitor developments of S-124 Correspondence Group |
| J.5 | Liaise with other international bodies which contribute to nautical information | H |  | 2015 | Permanent | O | Chair/Sec NIPWG |  |  |
| J.5.1 | Liaise with IALA ~~e-Nav Committee~~ | H |  | 2013 | Permanent | O | Chair/Sec NIPWG |  |  |
| J.5.2 | Liaise with International Harbor Masters’ Association (IHMA) | L |  | 2015 | Permanent | O | Chair/Sec NIPWG |  | ~~See outcome HSSC8 Section 7.10 of the minutes~~IHMA attended the NIPWG Stakeholder forum 2019 |
| J.5.3 | Liaise with International Cable Protection Committee (ICPC) | ~~M~~L |  | 2016 | Permanent | O | Chair/Sec NIPWG |  | ~~MOU signed between IHO and ICPC~~ |

**Meetings** (Task K)

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| **Date** | **Location** | **Activity** |
| 25–29 Nov 2019 | St. Petersburg, Russian Federation | NIPWG7 |
| Sept 2020 | Brest ~~(tbc),~~ France  | NIPWG8 |
| June 2021 | India (invitation expected) | NIPWG9 |
| March 2022 | Niteroi, Brazil (tbc by Nov 2019) | NIPWG10 |
| Jan 2023 | Tallinn, Estonia | NIPWG11 |
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Top three work items:

* Initiate prototype implementation of existing S-12x products in an S-100 based environment to explore governance architecture and service delivery mechanism
* Develop S-12x nautical information Product Specifications
* Coordinate the IHO contributions to the definition and harmonisation of maritime services as defined by IMO within the remit of IHO